

AMENDMENTS TO DRAWINGS

The attached sheets of drawings 1 through 13 are replacements to the as-filed set of drawings. The as-filed set of drawings were informal and include, among other things, handwritten text. No new matter is being introduced herein.

Attachment: Replacement Sheets 1 through 13

REMARKS

Claims 1-37 are pending. Claims 1-29 and 32-37 were withdrawn with traverse in response to a restriction requirement. Claims 30-31 stand rejected.

Replacement sheets of drawings 1 through 13 are submitted herein to formalize the drawing set. No new matter is being entered in submitting replacement drawing sheets 1 through 13.

In the present application, the Examiner has further grouped the claims as follows:

- I. Claims 1- 29 “drawn to a semiconductor deposition method, classified in class 438, subclass 780”;
- II. Claims 30-31 “drawn to a semiconductor organosilicate film, classified in class 257, subclass 40”; and
- III. Claims 32-37 “drawn to a semiconductor organosilicate film method, classified in class 438, subclass 795”.

In the teleconference of November 29, 2004, Applicants requested that the claims in group II, or claims 30-31, be elected with traverse. As a result of this election, Applicants are withdrawing the claims in Groups I and III but reserving their rights under 35 USC § 121 to file a divisional application for the non-elected claims and/or request for rejoinder upon allowance of the elected claims.

Applicants respectfully traverse the restriction requirement on the following basis. If the search and examination of the entire application can be made without serious burden, the Examiner must examine it on the merits, even though it includes claims to independent or distinct inventions. MPEP §803. Applicants respectfully submit that there would be no serious burden on the Patent Office to examine in this application all of the present claims because the subject matter of the claims is sufficiently related that a search of the claims in any one Group would encompass a search for the subject matter of the other Group.

Claims 30-31 stand rejected under 35 U.S.C. § 103(a) as allegedly unpatentable over published U.S. patent application 2002/0142585 (“Mandal”) in view of the article C. Waldfried, et al., “Single Wafer RapidCuring™ of Porous Low-k Materials”, IEEE (2002), pp. 226-228 (“Waldfried”). Applicants respectfully traverse the rejections of these claims because the Examiner has failed to establish a *prima facie* case of obviousness.

When evaluating a claim for determining obviousness, all elements of the claim must be evaluated. *In re Evanega*, 4 USPQ2d 1249 (Fed Cir. 1987). Mandal fails to teach or suggest a mixture for depositing an organosilicate film comprising, *inter alia*, at least one precursor and/or the organosilicate film that “exhibits an absorbance in the 200 to 400 nm wavelength range” as required in Applicants’ claims 30-31. Waldfried does not provide the missing teaching nor is there any motivation for one skilled in the art to combine the references as the Examiner suggests. Like Mandal, Waldfried does not disclose a precursor and/or organosilicate film that exhibits an absorbance in the 200 to 400 nm wavelength range. Instead, Waldfried teaches a UV light source “with spectral wavelength distributions ranging from 180 nm to 400 nm” (see Waldfried at pp. 226). Applicants respectfully request the removal of the obviousness rejections of the claims.

SUMMARY

For at least the reasons set forth above, it is respectfully submitted that the above-identified application is in condition for allowance. Favorable reconsideration and prompt allowance of the claims are respectfully requested.

Should the Examiner believe that anything further is desirable in order to place the application in even better condition for allowance, the Examiner is invited to contact Applicants’ undersigned Attorney at the telephone number listed below.

Respectfully submitted,



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